



PHOSPHORUS

UN 1381 (Dry, under water or in water solution)

UN 2447 (White molten)



Shipping Name: UN 2447 Phosphorus, white, molten

UN 1381 Phosphorus white, dry or under water or in solution; Phosphorus, yellow dry or under water or in solution.

Other Names: Elemental phosphorus

White phosphorus

Molten phosphorus

Yellow phosphorus

WARNING! • **POISON! BREATHING THE VAPORS OR SWALLOWING THE MATERIAL CAN KILL YOU! SKIN AND EYE CONTACT CAUSES SEVERE BURNS AND BLINDNESS!**

- Fire fighting gear including SCBA does not provide adequate protection. If exposure to the chemical occurs, remove and isolate gear immediately and thoroughly decontaminate personnel.
- **EXTREMELY FLAMMABLE! WILL BURN SPONTANEOUSLY UPON CONTACT WITH AIR!**

Hazards:

- Will re-ignite after fire is extinguished if still exposed to air

Awareness and Operational Level Training

Response:

- Do not put yourself in danger by entering a contaminated area to rescue a victim
- Stay upwind and uphill
- Determine the extent of the problem
- Isolate the area of spill or fire and deny entry
- Remove all ignition sources
- For container exposed to fire evacuate the area in all directions because of the risk of BLEVE or explosion
- Evacuate the immediate area and downwind for a large release
- Notify local health and fire officials and pollution control agencies
- If material or contaminated runoff enters waterways, notify downstream users of potentially contaminated water

Description:

- Soft waxy solid
- Sharp garlic-like smell
- Sinks in water and is slightly soluble in water
- Stable under water or when excluded from air; burns spontaneously in air
- Extremely flammable
- Melts at 111° F to a yellow or white liquid

Operations Level Training Response:

RELEASE, NO FIRE:

- Flood with water spray or fog
- Prevent material and runoff from entering sewers and waterways if it can be done safely well ahead of the release

FIRE:

- Fight fire with large amounts of water spray or fog, dry chemical, earth or sand
- Cool exposed containers with large quantities of water from unattended equipment or remove intact containers if it can be done safely
- If cooling streams are ineffective (unvented container distorts, bulges or shows any other signs of expanding), withdraw immediately to a secure location

First Aid:

- Do not put yourself in danger by entering a contaminated area to rescue a victim
- Provide Basic Life Support (CPR) as needed
- Decontaminate the victim as follows:
 - ♦ Inhalation - remove the victim to fresh air and give oxygen if available
 - ♦ Skin - remove and isolate contaminated clothing (including shoes) and wash skin with soap and large volumes of water for 15 minutes
 - ♦ Eye - rinse eyes with large volumes of water or saline for 15 minutes
 - ♦ Swallowed - do not make the victim vomit
- Seek medical attention
- Toxic effects may be delayed
- For skin burns decontaminate with water and apply a clean dry dressing

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